

LITERATURE CITED

- BENSON, L., and R. A. DARROW. 1954. The trees and shrubs of the southwestern deserts. Univ. Ariz. Press, Tucson, and Univ. New Mex. Press, Albuquerque.
- COVAS, G. 1949. Estudios cariológicos en antófitas. III Darwiniana 9:158-162.
- GARCIA, E., C. SOTO, and F. MIRANDA. 1960. Larrea y clima. Anal. Inst. Biol. México. 31:133-190.
- LOWE, C. H. 1964. Arizona landscapes and habitats. *In* The vertebrates of Arizona. Univ. Ariz. Press, Tucson.
- SHREVE, F. 1940. The edge of the desert. Year. Assoc. Pacif. Coast Geogr. 6:6-11.
- . 1942. The desert vegetation of North America. Bot. Rev. 8:195-246.
- . 1951. Vegetation and flora of the Sonoran Desert. Carnegie Inst. Wash. Publ. 591.
- YANG, T. W. 1967. Chromosome numbers in populations of creosotebush (*Larrea divaricata*) in the Chihuahuan and Sonoran subdivisions of the North American Desert. Jour. Arizona Acad. 4:183-184.
- . 1967a. Ecotypic variation in *Larrea divaricata*. Am. Jour. Bot. 54:1041-1044.

NOTES AND NEWS

NOTES OF THE FLORA OF ARIZONA. IV—Five collections worthy of special note have been added to the University of Arizona Herbarium. Three represent new species for the state, including one new genus, and two are range extensions.

Urtica urens L. represents a new weed in the Arizona flora. Our collections, made by Dr. K. C. Hamilton, came from the John Jacobs Citrus Grove on the northeast corner of the Black Canyon Highway and Peoria Avenue, in the Salt River Valley, Maricopa Co. The Dwarf or Slender Nettle is an annual from Europe which has become naturalized in the eastern United States and California.

Chaerophyllum tainturieri Hook. is a genus and species new for the state. Our specimen was collected by Stephen Bingham (871), eight miles north of the Safford airport, at an elevation of 4800 feet in the Gila Mountains of Graham Co. Mathias and Constance (North American Flora 28b:117-119. 1944) do not record any species of this genus west of Texas. In this work our material is determined as *C. texanum* Coult. & Rose; however, in their more recent publication on the Umbelliferae (*Flora of Texas* 3:288-290. 1951), they consider *C. texanum* a synonym of *C. tainturieri*.

Erigeron lonchophyllus Hook. was collected in deep grass near Aspen Spring, Lukachukai Mountains, Apache Co. (Niles & Mason 2486). This collection adds a new species to the flora of Arizona, but it is not an unexpected addition. Cronquist in his monograph of the genus (*Brittonia* 6:127-302. 1947) cites a specimen from the Tunitcha Mountains of San Juan Co., New Mexico, a mountain range which is adjacent to the Lukachukai-Chuska chain.

Paronychia sessiliflora Nutt. was first recorded for Arizona by McDougall (Plateau 37:107. 1965) from a specimen collected at Meteor Crater. An earlier collection by Eastwood and Howell (6918) from the same area had been misdetermined as *P. Jamesii*. More recently a third collection (Reese & Niles 850) from the East Side Game Road, Kaibab Plateau, Coconino Co. extends the range approximately 125 air miles northward and closer to the center of distribution of the species.

Hippuris vulgaris L., previously reported from lakes in the White Mountain area of Apache Co., has now been collected from lakes in the vicinity of Wide Lake, Lukachukai Mountains, Apache Co. (Niles & Mason 2487). This new locality is about 175 aerial miles north of the previous collection. —CHARLES T. MASON, JR., Herbarium, University of Arizona, Tucson, and WESLEY E. NILES, New York Botanical Garden.